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1 [On network-aware clustering of Web clients](#)

Balachander Krishnamurthy, Jia Wang

 August 2000 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, Technologies, Architectures, and Protocols for Computer Communication**, Volume 30 Issue 4

 Full text available: [pdf\(568.99 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Being able to identify the groups of clients that are responsible for a significant portion of a Web site's requests can be helpful to both the Web site and the clients. In a Web application, it is beneficial to move content closer to groups of clients that are responsible for large subsets of requests to an origin server. We introduce clusters---a grouping of clients that are close together topologically and likely to be under common administrative control. We identify clu ...

2 [Applications: Measuring and modelling the group membership in the internet](#)

 Jun-Hong Cui, Michalis Faloutsos, Dario Maggiorini, Mario Gerla, Khaled Boussetta
 October 2003 **Proceedings of the 3rd ACM SIGCOMM conference on Internet measurement**

 Full text available: [pdf\(472.96 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper, we measure and model the distribution of multicast group members. Multicast research has traditionally been plagued by a lack of real data and an absence of a systematic simulation methodology. Although temporal group properties have received some attention, the location of group members has not been measured and modelled. However, the placement of members can have significant impact on the design and evaluation of multicast schemes and protocols as shown in previous studies. In o ...

Keywords: group membership, maximum entropy, member clustering, pairwise correlation, skewed distribution

3 [Topology and routing: Topology modeling via cluster graphs](#)

Balachander Krishnamurthy, Jia Wang

 November 2001 **Proceedings of the 1st ACM SIGCOMM Workshop on Internet Measurement**

 Full text available: [pdf\(782.02 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)